

SPECIFICATIONS UPDATE



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DeIDOT QUALITY CONTROL

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OVERVIEW

- SUPPLEMENTAL SPECIFICATION CHANGES
- CONVERTING SPECIAL PROVISIONS TO STANDARD ITEMS
- SPECIAL PROVISION CHANGES
- NEW SPECIAL PROVISIONS
- UPDATE ON SPECIFICATION MANUAL REWRITING
- FUTURE CHANGES

SECTION 732 - TOPSOIL

- PERFORMANCE BASED
 - NO LAB TESTING; SOURCE OF SUPPLY
 - RECOMMENDED Ph 6.25
 - CONTRACTOR RESPONSIBLE FOR ALL TESTING TO DETERMINE IF LIME, SULFUR, OR FERTILIZER IS NEEDED TO BE ADDED TO TOPSOIL
 - LOOSEN SOIL TO A DEPTH OF 3" 72 HOURS PRIOR TO SEEDING

SECTION 733 - TOPSOILING

- CONTRACTOR RESPONSIBLE FOR ALL TESTING PRIOR TO SEEDING
- RANDOM SAMPLES TAKEN BY DELDOT DURING DESIGN PHASE
 - RESULTS ARE PROVIDED ON PLANS
 - FOR INFORMATIONAL PURPOSES ONLY.

DELAWARE DEPARTMENT OF TRANSPORTATION

DOVER, DELAWARE (302) 760-2400

MATERIALS AND RESEARCH LABORATORY

TOPSOIL ANALYSIS REPORT

Contract:

T200712003

Location:

Sta. 73+00, Lt. C.L.

Sieve Analysis for Sample # 5

Test Results

Nitrate:	20	ppm	40	lb/acre	+/- 25%
Phosphorous:	30.0	ppm	60.0	lb/acre	+/- 25%
Potassium:	100	ppm	200	lb/acre	+/- 25%
Potash (K ₂ O):	120	ppm	240	lb/acre	+/- 25%
Iron:	80	ppm	160	lb/acre	+/- 25%
Calcium:	930	ppm	1860	lb/acre	+/- 10%
CaCO ₃ :	2300	ppm	4600	lb/acre	+/- 10%
Magnesium:	250	ppm	500	lb/acre	+/- 10%

Remarks: Blend of Samples 3, 5, and 6.

SECTION 734 - SEEDING

- PERFORMANCE BASED
- NO RED TAGS TO GATHER
- INCREASED THE SEEDING RATE PER ACRE AND CHANGED THE SEED MIX
- CONTRACTOR RESPONSIBLE FOR PREPARING THE SOIL, PLACING THE SEED AND ADDING ANY SUPPLEMENTS NECESSARY TO GROW GRASS

SEEDING (con't)

INCLUDES MULCH

- MUST BE BIODEGRADABLE AND FREE OF CONTAMINANTS**
- CONTRACTOR CHOOSES MATERIAL AND METHOD OF APPLICATION**
- MUST ATTAIN A MINIMUM HEIGHT OF 3” AND HAVE A UNIFORM DENSITY OF 70%**
- SEEDING WINDOW WAS EXTENDED TO NOVEMBER 15 FOR SUSSEX COUNTY ONLY**

SEEDING (con't)

- CONTRACTOR FURNISHES A MAINTENANCE BOND TO THE DEPARTMENT
 - EQUAL TO 100% VALUE OF ALL PERMANENT GRASS SEEDING ITEMS PAID TO THE CONTRACTOR
 - TERM OF THE BOND IS FOR A PERIOD OF ONE YEAR BEYOND THE PERMANENT SEEDING WORK

SUBSECTION 104.14 CONTRACTOR'S RESPONSIBILITY FOR WORK

- ADDED LANGUAGE REGARDING BRIDGE LOADING
- CONTRACTOR HAS TO SUBMIT THE PROPOSED LOADINGS (AXLE SPACING, AXIAL LOADS, STOCKPILING AND EQUIPMENT LOCATIONS)

SUBSECTION 104.14 CONTRACTOR'S RESPONSIBILITY FOR WORK (con't)

- DEPARTMENT REVIEWS AND APPROVES THE LOADINGS
 - APPROVAL DOES NOT RELIEVE CONTRACTOR OF RESPONSIBILITY FOR SAFE PERFORMANCE OF WORK
 - REVIEW TIME IN ACCORDANCE WITH SECTION 105.04

SUBSECTION 108.04 PROGRESS SCHEDULES

- ADD AFTER PARAGRAPH (C)
- MODIFIED TO HAVE CONTRACTOR PROVIDE AN ESTIMATE OF THE MONTHLY PAYMENTS EXPECTED TO BE RECEIVED ON THE PROJECT
- SIMPLE EXCEL OR HANDWRITTEN FORMAT

108.04 - PROGRESS SCHEDULES (con't)

- NOT CONSIDERED BINDING BY EITHER THE CONTRACTOR OR THE DEPARTMENT
 - SOLELY INFORMATIONAL
 - COSTS INCIDENTAL TO 763508. IF 763508 NOT UTILIZED, THEN COSTS ARE INCIDENTAL TO 763000
- FIRST APPEARED AS A PROJECT NOTE
- BOYDS CORNER PROJECT WAS THE FIRST PROJECT TO USE THIS NOTE
- HELPS THE DEPARTMENT WITH QUARTERLY SPENDS REQUIRED BY THE FINANCE SECTION

SUBSECTION 206.04 METHOD OF MEASUREMENT

REPLACE PARAGRAPH (a)

CHANGED THE TRENCH WIDTH FROM 12" TO
18".

SUBSECTION 208.05 – METHOD OF MEASUREMENT

- CHANGE LIMITS OF PIPE TRENCH WIDTH FROM 12" TO 18"
- SPECIFICATIONS UPDATED TO MATCH STANDARD CONSTRUCTION DETAILS UPDATE

SUBSECTION 612.05 - EXCAVATION

- DELETED THE EXISTING PARAGRAPH AND INSERTED:
 - EXCAVATE THE PIPE TRENCH IN ACCORDANCE WITH SECTION 208 AND THE STANDARD CONSTRUCTION DETAILS
 - 18" WIDTH

SUBSECTION 104.05 CHANGES IN CHARACTER OF WORK

- ADDED TO THE LAST SENTENCE OF SECTION 104.05, PARAGRAPH (E)
- If, however, the character of the work, or the unit costs, or the time required for performance of the work are changed, and if such changes cause a monetary increase or decrease to the unit cost in question of 15% or more, then an equitable adjustment may be made to any pay item (whether or not it is a major item) on such basis as may have been agreed in advance of the performance of such work. In the case no such agreement was made, then an allowance may be made, either for or against the Contractor, in such amount as the Department may determine to be fair and equitable.

104.05 CHANGES IN CHARACTER OF WORK (con't)

- PART OF SPECIFICATIONS UNTIL 1998
REWRITE
- IF YOU DO NOT WISH TO USE THIS LANGUAGE,
YOU MAY OPT TO EXCLUDE IT WITH A
PROJECT NOTE.
- IF YOU DISAGREE, SEE TOM CLEMENTS 😊

CHANGING SPECIALS TO **STANDARDS**

- SEVERAL 'COMMONLY USED' SPECIAL PROVISIONS
- CURRENTLY REWRITING AND UPDATING THESE SPECIAL PROVISIONS
 - WRITTEN IN ACTIVE VOICE / IMPERATIVE MOOD (101.01)
 - CHANGING SPECIAL PROVISION NOS. TO STANDARD ITEM NOS.
 - EVENTUALLY BE ADDED TO THE REWRITTEN MANUAL

ITEM NO. CHANGES

OLD ITEM NO.

- 208500-FLOWABLE FILL
- 251501-SILT FENCE
- 302500-DE NO 3 STONE
- 705525-CURB RAMP, TY I
- 720527-PLASTIC DRUMS
- 727520-CONSTRUCTION
SAFETY FENCE
- 763505-TRAFFIC OFFICER
- 742500-FLAGGER ITEMS

NEW ITEM NO.

- 208001-FLOWABLE FILL
- 251000-SILT FENCE
- 302011-DE NO 3 STONE
- 705008-CURB RAMP, TY I
- 743006-PLASTIC DRUMS
- 727014-CONSTRUCTION
SAFETY FENCE
- 743007-TRAFFIC OFFICER
- 743050-FLAGGER ITEMS

LINK TO ITEM NUMBER LISTING

http://www.deldot.gov/information/business/drc/pd_files/plan_development/standard_items_special_provisions.pdf?101210

NUMBER CHANGES WILL CONTINUE WITH EACH SUPPLEMENTAL UPDATE UNTIL MOST SPECIAL PROVISIONS ARE CONVERTED TO STANDARD NOS.

208001 – FLOWABLE FILL

- COMPLETE REWRITE
 - WRITTEN IN ACTIVE VOICE / IMPERATIVE MOOD
 - CONVERTED FROM A SPECIAL PROVISION TO A STANDARD ITEM
 - MATERIALS AND CONSTRUCTION METHODS HAVE BEEN MODIFIED

743050-743073 FLAGGER

- UPDATED TO REFLECT THE LANGUAGE IN THE DE MUTCD
- THE CURRENT STATE AND FEDERAL FLAGGER RATES MAY BE VIEWED ONLINE AT THE FOLLOWING LINK:
- http://www.deldot.gov/information/business/drc/flagger_rates.shtml

743007 – TRAFFIC OFFICER

- COMPLETE REWRITE
- REVIEWED BY TRAFFIC
- CLEARLY OUTLINES TRAFFIC OFFICER'S DUTIES

743004 – FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN

- FORMALLY KNOWN AS MESSAGE BOARD – NOW A 'PCMS'
- PRIOR TO USE, A PCMS APPROVAL FORM SHALL BE SUBMITTED FOR EACH LOCATION
- THE APPROVAL FORM CAN BE LOCATED AT [http://www.deldot.gov/information/pubs_for_ms/manuals/de_mutcd/pdf/PCMS Approval Form.doc](http://www.deldot.gov/information/pubs_for_ms/manuals/de_mutcd/pdf/PCMS%20Approval%20Form.doc)

612529 – PIPE VIDEO INSPECTION

- NOW REQUIRES THE SUBMITTAL OF **TWO** VIDEOS TO THE DEPARTMENT
- ADDED - 'CORRECTING ANY DEFICIENCIES' IN THE PIPE RUN
- REPORT FOR DELAWARE STATE PLANE NAD 83 COORDINATES FOR EACH STRUCTURE WITHIN THE DRAINAGE SYSTEM.....SUBMITTED ELECTRONICALLY IN EXCEL FORMAT AND FORWARDED TO NPDES ELECTRONICALLY AFTER REVIEW BY THE DEPARTMENT
 - LAST PARAGRAPH UNDER DOCUMENTATION

605576 – BICYCLE RACK

- MODIFIED LANGUAGE UNDER DESCRIPTION
TO SAY:

EACH BICYCLE RACK SHALL BE CONSIDERED
ONE UNIT FOR PAYMENT

– STANDARD CONSTRUCTION DETAIL
MODIFICATIONS WILL FOLLOW

763626- DIESEL FUEL COST ADJUSTMENT

- USED ONLY FOR CONTRACTS OF 540 CD'S OR LONGER
- THERE IS AN OPT-OUT CLAUSE
 - CONTRACTOR MAY PARTICIPATE WITH THE DIESEL FUEL ADJUSTMENT OR NOT
 - THEY MUST FILL OUT A FORM AT TIME OF BID CHOOSING WHETHER OR NOT TO PARTICIPATE

763626 – DIESEL FUEL COST ADJUSTMENT (con't)

- NEW INDEX
 - DELAWARE NO. 2 DIESEL RETAIL SALES

- LOCATED AT THIS LINK:

<http://tonto.eia.doe.gov/dnav/pet/hist/LeafHandler.ashx?n=PET&s=D220612102&f=M>

401752 – SAFETY EDGE FOR ROADWAY PAVEMENT

- CONSISTS OF PLACING A WEDGE OF HOT MIX ALONG PAVEMENT EDGE
- DO NOT CONSTRUCT IN FRONT OF GUARDRAIL OR ADJACENT TO CURB
- WEDGE IS AT 32 DEGREES (+/- 2 DEGREES)
- FOR BOTH HOT-MIX AND PCC PAVEMENTS
- PAYMENT FOR THIS ITEM IS INCLUSIVE TO THE HOT-MIX OR PCC PAVEMENT ITEMS
- DGM 1-25

RUMBLE STRIPS

- 760504 - RUMBLE STRIPS, HOT-MIX
- 760506 - RUMBLE STRIPS, CONCRETE
 - CONVENTIONAL RUMBLE STRIP
 - .5" DEPTH
 - MEASURE LONGITUDINALLY PER LF

BIKE-FRIENDLY RUMBLE STRIPS

- 760511 - BIKE-FRIENDLY RUMBLE STRIPS, HOT-MIX
- 760512 - BIKE-FRIENDLY RUMBLE STRIPS, CONCRETE
 - .375" DEPTH
 - MEASURED LONGITUDINALLY PER LF, MINUS THE 12' OPENING EVERY 40'

SHALLOW-DEPTH RUMBLE STRIPS

- 760513 - RUMBLE STRIPS, HM, SHALLOW DEPTH
- 760514 - RUMBLE STRIPS, CONC, SHALLOW DEPTH
 - CONVENTIONAL RUMBLE STRIPS, SHALLOW DEPTH
 - .375" DEPTH
 - MEASURE LONGITUDINALLY PER LF

763655 – STEEL COST PRICE ADJUSTMENT

- USED ONLY FOR CONTRACTS OF 540 CD'S OR LONGER
- APPLIES TO STEEL ITEMS SUCH AS –
STRUCTURAL STEEL, REINFORCING STEEL,
OVERHEAD SIGN STRUCTURES, SHEET PILES,
GUARDRAIL,....ETC
- INDEX BEING USED – THE U.S. DEPT of LABOR,
BUREAU OF LABOR STATISTICS, PRODUCERS
PRICE INDEX FOR STEEL (PPI)

763655 – STEEL COST PRICE ADJUSTMENT (con't)

- APPLIES IF THE INDEX INCREASES OR DECREASES BY 10% (BETWEEN THE DATE OF BID OPENING AND THE DATE THE MATERIAL IS SHIPPED TO THE FABRICATOR).
- THERE IS A MAXIMUM INCREASE OF 60% TO THE ADJUSTMENT.
- SAMPLE WORKSHEET IS IN THE SPEC.

SPECIFICATION MANUAL UPDATE

- DIVISION 300 - BASES
 - NEEDS SOME MINOR EDITS / ADDITIONS
 - POSTED AS PART OF THE JULY SUPPLEMENTAL UPDATE
- DIVISION 500 – RIGID PAVEMENT
 - NEEDS SOME MINOR EDITS / ADDITIONS
 - COMPLETING SECTION 800 PRIOR TO POSTING

SPECIFICATION MANUAL UPDATE

- DIVISION 800 – MATERIAL DETAILS
 - SECTION 812 IS REWRITTEN AND CURRENTLY BEING REVIEWED

COMING SOON.....

- 763646 – MOT FOR PEDESTRIAN ACCESS
 - CONSTRUCTING AND MAINTAINING AN ACCESSIBLE PEDESTRIAN ROUTE WITHIN PROJECT LIMITS
 - THIS INCLUDES CONSTRUCTING TEMPORARY RAMPS, EDGING, FENCING, RAILS, ETC (IF NEEDED).
 - WILL BE USED ON UPCOMING PROJECTS

COMING SOON.....

- 705XXX - TRIANGULAR CHANNELIZING ISLANDS

ALL INCLUSIVE ITEM

- INCLUDES RAMPS AND TRUNCATED DOMES (IF APPLICABLE)
- INCLUDES THE FLEXIBLE RUBBER DELINEATOR
- PAID BY THE SF

COMING SOON.....

- NEW GUARDRAIL ITEM NUMBERS - CHANGES TO MIMIC THE STANDARD DETAIL UPDATE (27" HEIGHT -> 31" HEIGHT)
- NEW STRIPING ITEMS - CHANGES IN ACCORDANCE WITH THE DE MUTCD MANUAL UPDATE EXPECTED THIS SUMMER
 - 4" AND 6" WIDTH -> 5" WIDTH
 - 8" AND 12" WIDTH -> 10" WIDTH

COMING SOON.....(con't)

- REWRITING OF THE CONSTRUCTION
ENGINEERING AND UTILITY ENGINEERING
SPECIAL PROVISIONS
- MORE PERFORMANCED-BASED SPECS

USEFUL INFORMATION

- **UNIT COST PRICE REPORTS**

- THE UNIT PRICE REPORTS ARE UPDATED QUARTERLY AND MAY BE VIEWED ON THE FOLLOWING SHARED DRIVE:

G:\Shared\Trnsport Documents\Price History

- **SPECIAL PROVISIONS**

- MAY BE VIEWED ON THE FOLLOWING SHARED DRIVE:

G:\Shared\Trnsport Documents\Specs

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THANK YOU